

1 17. The electrical structure of claim 11, wherein the conductive wiring includes a conductive
2 material selected from the group consisting of copper, a copper alloy, nickel, palladium, and
3 platinum.

1 18. The electrical structure of claim 11, wherein the at least two end contacts of the conductive
2 wiring at the first end of the button are coated with a noble metal.

1 19. The electrical structure of claim 11, wherein the conductive wiring has a diameter between
2 about 1 mil and about 5 mils.

1 20. The electrical structure of claim 11, wherein the end contacts at the first end of the button
2 each have a non-planar surface.

1 21. The electrical structure of claim 11, wherein the end contacts at the first end of the button
2 each have a surface concavity toward the conductive button.

1 22. The electrical structure of claim 11, wherein the end contacts at the first end of the button
2 each have a sharp edge.

1 23. The electrical structure of claim 11, wherein the dielectric core includes a first dielectric
2 material having a hardness between about 37A and about 56D on a Shore scale, and wherein the

3 dielectric jacket includes a second dielectric material having a hardness between about 37A and
4 about 56D on a Shore scale.

1 24. The electrical structure of claim 23, wherein the second dielectric material and the first
2 dielectric material each include a same dielectric material.

1 25. The electrical structure of claim 11, wherein at least one of the dielectric core and the
2 dielectric jacket includes polytetrafluoroethylene or expanded polytetrafluoroethylene.

1 26. The electrical structure of claim 11, wherein the dielectric core has axial grooves along an
2 outer surface of the dielectric core.

1 27. The electrical structure of claim 11, wherein the dielectric core has an axial through hole at a
2 radial center of the dielectric core.

1 28. The electrical structure of claim 11, wherein the dielectric core has a foamed structure.

1 29. The electrical structure of claim 11, wherein the dielectric core has a diameter between about
2 10 mils and about 20 mils.

1 30. The electrical structure of claim 11, wherein the dielectric core and the dielectric jacket each
2 shrink in length during exposure to heat or ultraviolet radiation.

1 31. The electrical structure of claim 11, wherein the dielectric core and the dielectric jacket bond
2 together during exposure to heat or ultraviolet radiation.

1 32. The electrical structure of claim 11, wherein the dielectric core, the dielectric jacket, and the
2 conductive wiring are each compressible in a direction that is parallel to an axis of the button.